

Avalanche South Face Mount Abundance

Mount Abundance

Cooke City

2/21/2022

Code

SS-AMu-R2-D2-O

Elevation

10000

Aspect

S

Latitude

45.07730

Longitude

-110.02100

Notes

Riders spotted this large avalanche on the south face of Mount Abundance on President's Day. It was unknown whether it was natural or human-triggered. The group had some sled issues on their way to go check on the situation and retreated to town.

We later determined that it was sledder triggered based on video footage on social media

Number of slides

1

Number caught

0

Number buried

0

Avalanche Type

Soft slab avalanche

Trigger

Snowmobile

Trigger Modifier

u-An unintentional release

R size

2

D size

2

Bed Surface

O - Old snow

Problem Type

Persistent Weak Layer

Slab Thickness

24.0 inches

Vertical Fall

650ft

Slab Width

750.00ft

Weak Layer Grain type

Faceted Crystals

Weak Layer grain size

1.50mm

Weak Layer Hardness

4F-

Slab Layer Grain Type

Partially decomposed precipitation particles

Images

[Avalanche on Mt. Abundance, full slide](#)

[Crown of slide on Abundance](#)

[Avalanche South Face Abundance 2](#)

[Avalanche South Face Abundance](#)

Attached Videos

[Snowmobile Triggered Avalanche, Cooke City - 25 Feb 2022](#)

Slab Thickness units

inches

Single / Multiple / Red Flag

Single Avalanche

Advisory Year

[21-22](#)